

### ABSTRACT OF THE DISCLOSURE

A fluorescence spectrophotometer system may be implemented in scanning fluorescence polarization detection applications. A wavelength and area scanning fluorescence spectrophotometer system may include a light source, an excitation double  
5 monochromator, an excitation/emission light transfer module, an emission double monochromator, a high speed timer-counter circuit board, a precision positioning apparatus for positioning a sample relative to the focal plane of the excitation light, and polarizing filters at the excitation side and the emission side. The system may be operative to analyze more than one fluorescent compound in the sample; additionally or alternatively, the system  
10 enables analysis of samples from selected ones of a plurality of samples.